# Mountain Weather Forecast

## Yorkshire Dales National Park

Forecast valid from 06:00 on Sunday 01 Oct 2023 until 23:59 on Monday 02 Oct 2023

Forecast Issued on Sunday 01 Oct 2023 at 01:18

**Confidence:** High confidence for the continuing unsettled theme. Moderate confidence for timing and location of heaviest rain on Sunday and Monday.

**Headline for Sunday 01 Oct 2023:** Rain this morning, drier and brighter this afternoon

**Mountain weather hazards on Sunday 01 Oct 2023**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy persistent snow**<br>No Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>No Likelihood | **Severe chill effect**<br>No Likelihood | **Poor visibility**<br>Medium Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>Medium Likelihood | **Strong sunlight**<br>No Likelihood |

| **Weather and chance of precipitation at 600m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Heavy Rain | Fog | Fog | Sunny intervals | Partly cloudy (night) | Partly cloudy (night) |
| Precipitation probability | | | | | |
| 80% | 80% | 50% | 20% | <05% | <05% |

**Forecast for Sunday 01 Oct 2023**

**Weather:** Outbreaks of rain will continue through the early hours, easing to light rain or drizzle for a time after midnight. Further outbreaks of heavy rain, especially on western slopes, are likely to arrive around dawn and continue on and off through much of the morning. Rain is likely to start to ease late morning, becoming mostly dry by mid-afternoon, perhaps with a few late bright or sunny spells as cloud breaks a little.

**Chance of cloud-free hill tops above 600m:** Less than 10%, becoming 40% by lunchtime and then 70% by late afternoon.

**Low Cloud and visibility:** Widespread low cloud, base 200-400m, through the early hours and first part of the morning. Cloud base lifting to around 600m and starting to break late morning, then breaking further through the afternoon, but with areas lingering on higher slopes. Visibility poor or very poor at first in rain and low cloud covering the hills. Improving for the afternoon, becoming mostly good, but remaining very poor in lingering low cloud at higher elevations.

Check our weather forecast every day to get the most accurate and up to date information
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# Mountain Weather Forecast

**Forecast for Sunday 01 Oct 2023**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 18/25 SW | 14/20 SW | 14/19 SW | 15/21 SW | 11/16 SW | 11/15 SW | 13/18 SW |
| **300** | 10/23 SW | 10/20 SW | 9/18 SW | 10/19 W | 4/13 W | 5/12 SW | 8/17 SW |
| **Valley** | 9/22 SW | 8/18 SW | 8/17 SW | 8/17 W | 3/9 SW | 4/11 S | 6/15 SW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 13/10 | 13/10 | 13/10 | 12/10 | 11/9 | 11/8 | 11/8 |
| **300** | 15/14 | 15/13 | 15/13 | 15/13 | 13/12 | 12/12 | 13/11 |
| **Valley** | 16/14 | 16/15 | 16/15 | 16/15 | 13/13 | 14/14 | 14/13 |
| **Freezing Level*** | 3300m | 3100m | 2600m | 2200m | 2200m | 2100m | 2100m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Strong winds through the early hours will make for arduous walking at first, but this gradually easing. Heavy rain could lead to swollen watercourses and possible flooding, but this improving through the afternoon. Good navigation skills will be needed, especially in the morning.

**Recent rainfall:** measured at Malham: altitude 375m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 02:00 on Sat 30 Sep 2023 | 0mm | 4.2mm | 14.2mm |

**Forecast for Monday 02 Oct 2023**

**Weather:** Areas of low cloud developing overnight, perhaps with a little rain or drizzle, but dry for most. Cloud perhaps thickening with some outbreaks of rain moving up from the southeast during the morning, possibly heavy at times. Some uncertainty as to the northward extent of this rain, however. Any rain likely clearing during the afternoon.

**Maximum wind:** Southwesterly 15 mph gusting 20-25 mph, during the morning.

**Chance of cloud-free hill tops above 600m:** 60%. Best conditions likely to the northwest.

**Low Cloud and visibility:** Areas of low cloud, base 400-500m, overnight and at times during the day. Perhaps becoming more widespread during the morning, before clearing late afternoon or evening. Visibility occasionally poor or very poor in rain and low cloud covering the hills, but good away from rain and cloud.

**Temperature:** **Valleys:** Plus 10 Celsius becoming plus 15 Celsius.
**At 600m:** Plus 10 Celsius.
**Freezing level:** Above the hills.

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